

### Patent Claims

1. A hydrophobic, pyrogenically produced silica, having a tamped density of 55 to 200 g/l.
2. The hydrophobic, pyrogenically produced silica according to claim 1 having a tamped density of 60 to 200 g/l.
- 5 3. The hydrophobic, pyrogenically produced silica according to claim 1 which is hydrophobicized by reaction with a halogen-free silane.
4. The hydrophobic, pyrogenically produced silica according to claim 4 wherein said silica has a chloride content of less than or equal to 100 ppm.
5. A process for the production of the hydrophobic, pyrogenically produced silica as claimed in claim 1, comprising hydrophobizing pyrogenically produced silica and then compacting said silica.
- 10 6. The process according to claim 5 wherein said compacting is by roller compactor.
7. The process according to claim 5 wherein said compacting is by belt filter press.
8. A hydrophobic, pyrogenically produced silica having been produced by the process of claim 5.
- 15 9. Use of the hydrophobic, pyrogenically produced silica as claimed in claim 1 for the production of dispersions.
10. A dispersion of a hydrophobic, pyrogenically produced silica produced by the process of claim 5.